O: Available —: Not available

											—: N	lot available	
		· · · ·					Display				External interface		
	GTsei	ries	Rated voltage	Screen size	Display type	Display color	Resolution	Backlight	Displayable characters*1	Memory capacity (F-ROM)	USB port	SD / SDHC memory card	
Environ- mentally-	GT32M-E	P.8	24 V DC	5.7 inch	TFT monochrome LCD	2 colors (black / white) (16-gray scale)	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0	
resistant Tough series	GT32T-E	P.8	24 V DC	5.7 inch	TFT color LCD	4,096 colors	320(W) × 240(H) dots	White LED	768 characters	12 Mbyte	0	0	
Entry-level model	GT02L	<u>P.10</u>	5 V DC	3.7 inch	STN monochrome LCD	2 colors (black / white)	160(W) × 64(H) dots	White LED	96 characters	704 kbyte	O (mini)	-	
	GT02 GT02M	P.11	5 V DC 24 V DC	3.8 inch	STN monochrome LCD	2 colors (black / white)	240(W) × 96(H) dots	GT02M: 3-color LED (white/pink/red) GT02G: 3-color LED (green/orange/red)	216 characters	2 Mbyte	O (mini)	O AIG02MQ2*D and AIG02GQ2*D only	
	GT12 GT12G	P.12	24 V DC	4.6 inch	STN monochrome LCD	2 colors (black / white) (8-gray scale)	320(W) × 120(H) dots	GT12M: 3-color LED (white/pink/red) GT12G: 3-color LED (green/orange/red)	384 characters	2 Mbyte	O (mini)	O AlG12MQ1*D and AlG12GQ1*D only	
	GT05	P.13					GT05M/G	r05G					
GT series	GT05M	GT05G	24 V DC	3.5 inch	STN monochrome LCD	2 colors (black / white)	320(W) × 240(H) dots	GT05M: 3-color LED (white/pink/red) GT05G: 3-color LED (green/orange/red)	768 characters	2 Mbyte	0	0	
	GT05S	GT05S	24 V DC	3.5 inch	STN color LCD*2	4,096 colors	GT05: 320(W) × 240(H) dots	S White LED	768 characters	12 Mbyte	0	0	
	GT32M	E14	24 V DC	5.7 inch	STN monochrome LCD	2 colors (blue / white)	320(W) × 240(H) dots	CFL	768 characters	2 Mbyte	0	0	
	GT32T GT32T0	P.15	24 V DC	5.5 inch	TFT color LCD	4,096 colors	320(W) × 240(H) dots 2011.	CFL	768 characters	12 Mbyte	O GT32T Ethem sound		

GTseries | Part Number List

Main Unit and Tool Software

Product name			Description			Part number								
	LCD	Power supply	Communication port	Color of front panel	SD memory card slot									
GT32M-E (Tough Series)	TFT monochrome LCD	24 V DC	RS232C	Silver	Available	AIG32MQ03DI								
crough concor		24 V 80	RS422 / RS485	Oliver	/ wallable	AIG32MQ05DI								
GT32T-E (Tough Series)	TFT color LCD	2414.00	RS232C	Silver	Available	AIG32TQ03DE								
G1521-L (Tough Series)		24 V DC	RS422 / RS485	Silver	Available	AIG32TQ05DE								
CT021	STN monochrome LCD	51/00	RS232C	Disch	Not sur the late	AIG02LQ02D								
GT02L	(white backlight)	5 V DC	RS422 / RS485	Black	Not available	AIG02LQ04D								
				Pure black		AIG02MQ02D								
			RS232C	Hairline silver		AIG02MQ03E								
		5 V DC		Pure black		AIG02MQ04E								
			RS422 / RS485	Hairline silver		AIG02MQ05E								
	-			Pure black	Not available	AIG02MQ12E								
GT02M	STN monochrome LCD		RS232C	Hairline silver		AIG02MQ13E								
	(white/pink/red backlight)			Pure black	-	AIG02MQ14E								
			RS422 / RS485	Hairline silver		AIG02MQ15E								
		24 V DC		Pure black										
			RS232C			AIG02MQ22E								
				Hairline silver	Available	AIG02MQ23E								
			RS422 / RS485	Pure black		AIG02MQ24E								
				Hairline silver		AIG02MQ25E								
			RS232C	Pure black		AIG02GQ02E								
		5 V DC		Hairline silver		AIG02GQ03E								
			RS422 / RS485	Pure black		AIG02GQ04E								
	-			Hairline silver	Not available	AIG02GQ05E								
			RS232C RS422 / RS485	Pure black		AIG02GQ12E								
GT02G	STN monochrome LCD (green/orange/red backlight)			Hairline silver		AIG02GQ13E								
				Pure black		AIG02GQ14E								
				Hairline silver		AIG02GQ15E								
			RS232C	Pure black	Available	AIG02GQ22E								
				Hairline silver		AIG02GQ23E								
			RS422 / RS485	Pure black		AIG02GQ24E								
			RS422 / RS485	Hairline silver		AIG02GQ25E								
		24 V DC		Pure black		AIG05MQ02E								
	STN monochrome LCD (white/pink/red backlight)		24 V DC	RS232C	Hairline silver	Available	AIG05MQ03E							
GT05M					Pure black		AIG05MQ04E							
			RS422 / RS485	Hairline silver	Available	AIG05MQ05E								
				Pure black		AIG05GQ02E								
	STN monochrome LCD	24 V DC									RS232C	Hairline silver	Available	AIG05GQ03E
GT05G	(green/orange/red backlight)			Pure black		AIG05GQ04E								
			RS422 / RS485	Hairline silver	Available	AIG05GQ05E								
				Pure black		AIG05SQ02E								
			RS232C		Available									
GT05S	STN color LCD *1	24 V DC		Hairline silver		AIG05SQ03E								
			RS422 / RS485	Pure black	Available	AIG05SQ04E								
				Hairline silver		AIG05SQ05E								
			RS232C	Pure black	Not available	AIG12MQ02E								
				Hairline silver		AIG12MQ03E								
			RS422 / RS485	Pure black	Not available	AIG12MQ04E								
GT12M	STN monochrome LCD	24 V DC		Hairline silver		AIG12MQ05E								
	(white/pink/red backlight)	-*	RS232C	Pure black	Available	AIG12MQ12E								
				Hairline silver	, wanabid	AIG12MQ13E								
			RS422 / RS485	Pure black	Available	AIG12MQ14E								
			13422 / 13400	Hairline silver	Availabid	AIG12MQ15E								
			Dooroe	Pure black	Net and the	AIG12GQ02E								
			RS232C	Hairline silver	Not available	AIG12GQ03E								
				Pure black		AIG12GQ04E								
	STN monochrome LCD	_	RS422 / RS485	Hairline silver	Not available	AIG12GQ05E								
	STN monochrome LCD (green/orange/red backlight)	24 V DC		Pure black		AIG12GQ12E								
GT12G	(green/orange/red backlight)													
GT12G	(green/orange/red backlight)		RS232C	Hairline silver	Available	AIG12GQ13D								
GT12G	(green/orangeneu backlight)		RS232C	Hairline silver Pure black	Available	AIG12GQ13D AIG12GQ14D								

*1 Display device of GT05S will be changed to TFT color LCD from production in December 2011.

Main Unit and Tool Software

Product name	Description						
Product name	LCD	LCD Power supply		Color of front panel	SD memory card slot	Part number	
			RS232C	Pure black	Available	AIG32MQ02D	
GT32M	STN monochrome LCD	24 V DC	R52320	Hairline silver	Available	AIG32MQ03D	
G 1 521W	STN monochrome LCD	24 V DC	RS422 / RS485	Pure black	Available	AIG32MQ04D	
			K54227 K5465	Hairline silver	Available	AIG32MQ05D	
	TFT color LCD		RS232C	Pure black	Available	AIG32TQ02D	
GT32T0		24 V DC	R52320	Hairline silver	Available	AIG32TQ03D	
613210			RS422 / RS485	Pure black	Available	AIG32TQ04D	
			K0422 / K0460	Hairline silver	Available	AIG32TQ05D	
	TFT color LCD		RS232C	Pure black	Available	AIG32TQ12D	
GT32T1		24 V DC	R52320	Hairline silver	Available	AIG32TQ13D	
613211			RS422 / RS485	Pure black	Available	AIG32TQ14D	
			K54227 K5465	Hairline silver	Available	AIG32TQ15D	
Terminal GTWIN Ver.2	Japanese version		AIGT8000V2				
	English version		AIGT8001V2				
Terminal GTWIN Ver.2	Japanese version		Terminal GTWIN	CD-ROM		AIGT8000V2R	
Upgrade version *	English version		Terminal GTWIN	CD-ROM		AIGT8001V2R	

* For upgrading Terminal GTWIN Ver. 1 to Ver. 2.

Cables PLC connection cable

Power supply and communication port	Connection cable	PLC
5 V DC and RS232C	(GT side) (PLC side)	Our FP Series
5 V DC and RS422 / RS485	Part No.: AIGT8152*, PLC connection cable (2 m 6.6 ft), 8-pin mini DIN connector — 6 single wires + Shielding wire	Mitsubishi Electric FX Series
24 V DC and RS232C	Part No.: AIGT8162, PLC connection cable (2 m 6.6 ft), 5-pin mini DIN connector — 3 single wires + Shielding wire AIGT8165 (5 m 16.4 ft) and AIGT8160 (10 m 32.8 ft) are also available.	Our FP Series
24 V DC and RS422 / RS485	Part No.: AIGT8175, PLC connection cable (5 m 16.4 ft), 8-pin mini DIN connector — 4 single wires + Shielding wire	Mitsubishi Electric FX Series
24 V DC and RS232C	Part No.: AIP81842 , PLC connection cable (2 m 6.6 ft), 9-pin D-SUB connector — 6 single wires	FP2/FP2SH COM port, 9-pin D-SUB connector example, CCU

*This cable is for GT series (5 V DC), and power is supplied through the TOOL port.

GTseries | Part Number List

Options



Panel face protection sheets 10 sheets in a set (option)

GT02L / GT02	Part No.: AIG02800
GT05	Part No.: AIG05800
GT12	Part No.: AIG12800
GT32	Part No.: AIG32800



■ Waterproof packing Waterproof packing (for replacement), 10 pieces in a set Package includes one piece.

GT02L / GT02	Part No.: AIG02810
GT05	Part No.: AIG05810
GT12	Part No.: AIG12810
GT32	Part No.: AIG32810
GT32-E	Part No.: AIG32810E

10E * The waterproof packing for GT02(L) is different from the GT02L main unit accessory.



GT02 / GT02L / GT12 mounting parts 5 sets of mounting parts (4 parts / set) Package includes one set.

Part No.: AIG12830 For GT02 / GT02L / GT12



GT05 / GT32 / GT32-E

mounting parts 5 sets of mounting parts

(2 parts / set) Package includes one set.

Part No.: AIGT28321 For GT05

Part No.: AIG32830 For GT32 / GT32-E



Spare connector

Part No.: AIGT084

5 connectors for communication and power supply in a set Package includes one set.



GT02 / GT05 / GT12 / GT32 /GT32-E backup battery

Part No.: AFPX-BATT

20 GT series

GTseries | specifications

		GT32M-E GT32T-E								
	Item —	RS232C RS422/RS485 RS232C RS422/RS485								
Rated volta	ige	24 V DC								
Operating	voltage range	21.6 to 26.4 V DC								
Power con	sumption	4.8 W or less 7.2 W or less								
Power supply	unit isolation method	Transformer isolation								
Ambient te	mperature	-20 to +60 °C -4 to +140 °F *5								
Ambient hu	umidity	10 to 90 %RH (at 25 °C 77 °F), No condensation								
Storage ter	nperature	−20 to +60 °C −4 to +140 °F								
Storage hu	midity	10 to 90 %RH (at 25 °C 77 °F), No condensation								
Vibration r	esistance	5 to 8.4 Hz, amplitude: 3.5 mm 0.14 in, 8.4 to 150 Hz, acceleration 9.8 m/s ² , 10 sweeps each in X, Y and Z directions (1 octave / min.)								
Shock resi	stance	147 m/s ² , 3 times in each of the X, Y and Z directions								
Superposed	noise suppression	1,000 V [P-P] or more, pulse width of 50 ns, 1 µs between power supply terminals (by a noise simulator)								
Environme	ntal resistance	IP67 (in the initial stages), Dust-proof and drip-proof from the front of the panel only (Rubber packing is attached to the panel contact surface.) *1								
Mass		470 g approx.								
	Display device	TFT monochrome LCD TFT color LCD								
	Resolution	320 (W) x 240 (H) dots								
Display	Display color	2 colors (black/white, 16-gray scale) 4096 colors								
	Displayable area	115.2 (W) × 86.4 (H) mm 4.54 (W) × 3.40 (H) in								
	Backlight	White LED								
	Font types	Fixed (GTWIN) : 8 x 8, 16 x 8, and 16 x 16 dots, Characters can be displayed in the 1, 2, 4, or 8 times width or height, True Type (GTWIN): 10 to 240 dots, Windows®: 10 to 240 dots								
	Languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, German, Italian, Spanish, French, and Turkish								
	Graphics	Straight lines, Continuous straight lines, Squares, Circles, Ovals, Arcs, Elliptic arcs, Fan shapes, Elliptic fan shapes, Beveled squares, and Bitmaps								
	Number of screens *2	180 screens approx.								
	Screen setting No.	Base screens: No. 0 to 3FF, Key board screens: No. 0 to 7, Login screens: No. 0 to F								
	Part functions	Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, Alarm record, and Custom parts (messages, lamps, switches)								
Functions	Other functions	Recipe, Flow display, Write device, Multiple PLC connection, FP monitor, Language switching, GT link, Operation security, Data logging, and SD recipe *3								
	Clock function	Provided with a built-in clock. (Can also refer to and display a PLC clock.) * Buy a commercially available battery.								
	Backlight brightness adjustment	Can be set on the menu screen, via the GT configuration screen of GTWIN, or via PLC.								
	Contrast adjustment	Contrast can be adjusted by using the touch panel.								
	Buzzer	Installed								
	Automatic communication settings	The communication speed (baud rate) is automatically changed if there is no response from the target equipment.								
	Through function	GT connected between PC and PLC allows PLC to be debugged without a direct connection to a PC.								
	Screen creation	Dedicated software should be used. Applicable OS: Windows® 2000/XP/Vista/7 *6								
Touch key	resolution	Free layout (8 dots min.)								
Touch key	operation force	0.8 N or less								
Touch key		1 million operations or more (at 25 °C 77 °F)								
	Communication standard	Conforms to RS232C Conforms to RS422 / RS485 Conforms to RS232C Conforms to RS422 / RS485								
COM. port	External communication conditions	Baud rate: 9,600 bps, 19,200 bps, 38,400 bps, 57,600 bps, and 115,200 bps Data bits: 7 or 8 bits, Parity: None, Odd, Even, Stop bits: 1 bit								
	Protocol	Our FP series supported, General-purpose serial interface supported, and Other companies' PLC supported (Refer to the "PLC COMPATIBILITY TABLE" for manufacturers and models.)								
	Connector	Connector terminal block (8 pins)								
	Communication standard	USB1.1								
Screen data	Communication conditions with PC	-								
transfer interface	Protocol	Our dedicated protocol								
	Connector	USB TYPE-B								
	Ethernet port *4	-								
User's	Memory	F-ROM								
memory	Capacity	12 Mbyte								
Memory	Memory	SRAM								
backup	Backup battery	Lithium battery (replaceable) AFPX-BATT *Does not come with product.								

Conformance to the UL / cUL standards

*1 This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.

*2 The number of screens that can be registered varies according to the registered contents.
*3 The data logging and SD recipe functions are available with only models equipped with an SD/SDHC memory card slot.

UL / cUL file No.	E96300
UL standard No.	UL508

*4 Simultaneous USB and Ethernet communications are not possible.

*5 When the unit is being installed in a horizontal orientation, the usable range is -20 to +55 °C -4 to +131 °F.

 $^{\ast}6~$ Not compatible with any 64-bit version of Windows.

GTseries | specifications

		GT02L	GT	02	GT05M /	GT05G	GT0	s		
	Item	5 V / RS232C 5 V / RS422 / RS485	5 V / RS232C 5 V / RS422 / RS485	24 V / RS232C 24 V / RS422 / RS485	RS232C	RS422 / RS485	RS232C	RS422 / RS485		
Rated volta	age	5 V DC				24 V DC				
Operating	voltage range	4.5 to 5.5 V DC				21.6 to 26.4 V DC				
Power con	sumption	1 W or less		1.9 W or less	2.4 W c	r less	3.6 W o	less		
Power supply	unit isolation method	-	_			Transforme	er isolation			
Ambient te	emperature			0 to 50 °C 3	2 to 122 °F					
Ambient h	umidity			20 to 85 % RH (at 25 °C	77 °F), No condensation					
Storage te	mperature			–20 to 60 °C	–4 to 140 °F					
Storage hu	umidity			10 to 85 % RH (at 25 °C	77 °F), No condensation					
Vibration resistance		5 to 8.4 Hz amplitude: 3.5 mm 0.14 in, 8.4 to 150 Hz acceleration	9.8 m/s ² , 10 sweeps each in X, Y	and Z directions (1 octave/min.)	10 to 55 Hz (1 minute cycle):	Double amplitude: 0.75 mm	0.03 in, 10 minutes in each of	the X, Y, and Z direction		
Shock resistance		147 m/s ² , 3 times in each	of the X, Y and Z direction	s	98 m/s	² or more, 4 times in ead	ch of the X, Y, and Z direct	ons		
Superposed	noise suppression	1	,000 V [P-P] or more, puls	ا e width of 50 ns, 1 µs bet	ween power supply termin	nals (by a noise simulato	or)			
Environme	ental resistance	IP65 (in the initial stages) *1	IP67 (in the ini	-			initial stages) *1			
Mass		150g approx.	170g ag			230g a				
	Display device	9 -FF	STN monocl				STN color	L CD *2		
	Resolution	160 (W) × 64 (H) dots	240 (W) × 9			320 (W) × 2		200		
	Display color	100 (W) ^ 04 (1) UUIS	240 (VV) × 9			520 (VV) × 2	4.096 c	alors		
Display	Displayable area	88.0 (W) × 35.2 (H) mm 3.46 (W) × 1.39 (H) in	88.5 (W) × 35.4 (H) mm			71.0 (W) × 53.2 (U)	4,096 c n 2.80 (W) × 2.10 (H) in	5013		
	Backlight	White LED	GT02M: 3-color LED GT02G: 3-color LED	D (white, pink, red)	GT05M: 3-color LED GT05G: 3-color LED) (white, pink, red)	White I	.ED		
	Font types	Fixed (GTWIN): 8 x 8, 16 x 8, and 16 x 16 dots, Characters can be displayed in the 1, 2, 4, or 8 times width or height, TrueType (GTWIN): 10 to 64 dots Fixed (GTWIN): 8 x 8, 16 x 8, and 16 x 16 dots Characters can be displayed in the 1, 2, 4, or 8 times width or height. Fixed (GTWIN): 8 x 8, 16 x 8, and 16 x 16 dots Characters can be displayed in the 1, 2, 4, or 8 times width or height. Fixed (GTWIN): 10 to 64 dots Fixed (GTWIN): 10 to 240 dots, Windows [®] : 1				e 1, 2, 4, or 8 times width o				
	Languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, German, Italian, Spanish, French, and Turkish								
	Graphics				lliptic arcs, Fan shapes, Elliptic fan shapes, Beveled squares and Bitmaps					
!	Number of screens *3	80 screens approx.	250 screer		240 screen		180 screens	annroy		
	Screen setting No.		200 00/00/					approx.		
	Part functions	No. 0 to 3FF Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, and Custom parts (messages, lamps, switches)								
Functions	Other functions									
	Clock function	-		Provided with a built-in clock. (Can also refer to and display a PLC clock.) *Buy a commercially available battery. Note: For the GT02 series, only GT02M2 and GT02G2 have a built-in clock.						
	Contrast adjustment		C	Contrast can be adjusted	by using the touch panel.					
	Buzzer	-			Insta	led				
	Automatic communication settings	The co	ommunication speed (bau	d rate) is automatically ch	anged if there is no respo	nse from the target equi	pment.			
	Through function		GT connected between P	C and PLC allows PLC to	be debugged without a d	irect connection to a PC				
	Screen creation	n Dedicated software should be used. Applicable OS: Windows [®] 2000/XP/Vista/7*7								
fouch key	resolution			Free layout (8 dots min.)					
Fouch key	operation force			0.8 N c	or less					
Fouch key	life			1 million operations or	more (at 25 °C 77 °F)					
	Communication standard	Conforms to RS232C Conforms to RS422 / RS485	Conforms Conforms to to RS232C RS422 / RS485	Conforms Conforms to to RS232C RS422 / RS485	Conforms to RS232C	Conforms to RS422 / RS485	Conforms to RS232C	Conforms to RS422 / RS485		
COM.	External communication conditions		Baud rate: 9,6	600 bps, 19,200 bps, 38,4	ps, 38,400 bps, 57,600 bps, and 115,200 bps prity: None, Odd, Even, Stop bits: 1 bit					
oort	Protocol	Our FP series supported, General-purpo	ose serial interface suppor	ted, Other companies' PL	.C supported (Refer to the	PLC COMPATIBILITY	TABLE" for manufacturers	and models.)		
	Connector		2 F -	Connector termir						
	Communication standard			USE						
Screen lata	Communication conditions with PC									
ransfer nterface	Protocol			Our dedicat	Our dedicated protocol					
	Connector	USB	Mini B	USB TYPE-B						
	Ethernet port *5			_	-					
	Memory			F-R	OM					
lloor?=	Capacity	704 Kbyte		2 MI			12 Mb	vte		
User's memory			1	2 IVI			12 1010	, ···		
memory						SRAM *6				
	Memory Backup battery	-			Lithium hatteny (realise	SRAM *6	es not come with product.)	*6		

Conformance to the UL / cUL standards

*1 This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.

*2 Display device of GT05S will be changed to TFT color LCD from production in December 2011.

*3 The number of screens that can be registered varies according to the registered contents.

- UL / cUL file No.
 E96300

 UL standard No.
 UL508
- *4 The data logging and SD recipe functions are available with only models equipped with an SD / SDHC memory card slot.
- *5 Simultaneous USB and Ethernet communications are not possible.

 $^{\ast}6~$ Among GT02 series, available for GT02M2 and GT02G2 only.

*7 Not compatible with any 64-bit version of Windows®.

	Item	GT12	GT32M	GT32	2T0	GT32	T1				
		RS232C RS422 / RS485	RS232C RS422 / RS485	RS232C	RS422 / RS485	RS232C	RS422 / RS485				
Rated volta	ige		24	V DC							
Operating	voltage range		21.6 to 26.4 V DC								
Power con	sumption	1.7 W or less	10 \	12 W or	less						
Power supply	unit isolation method		Transfor	mer isolation							
Ambient te	mperature	0 to 50 °C 32 to 122 °F	0 to 50 °C 32 to 122 °F*5								
Ambient hu	umidity		20 to 85 % RH (at 25 °C 77 °F), No condensation								
Storage ter	nperature		-20 to 60	C –4 to 140 °F							
Storage hu	midity		10 to 85 % RH (at 25	C 77 °F), No condensation							
Vibration resistance		5 to 9 Hz amplitude: 3.5 mm 0.14 in, 9 to 150 Hz acceleration 9.8 m/s ² , 10 sweeps each in X, Y and Z directions (1 octave/min.)	10 to 55 Hz (1 minute cycle):	Double amplitude: 0.75 mm	0.03 in, 10 minutes in e	each of the X, Y, and Z direc	tions				
Shock resistance		147 $\mbox{m/s}^2\mbox{, 3 times in each of the X, Y and Z directions}$	98	m/s ² or more, 4 times in eacl	h of the X, Y, and Z dir	ections					
Superposed	noise suppression		1,000 V [P-P] or more, p	ulse width of 50 ns, 1 µs betw	ween power supply terr	minals (by a noise simulator)					
Environme	ntal resistance	IP67 (in the initial stages)*1		IP65 (in the init	tial stages)*1						
Mass		240 g approx.	500 g approx.	470	g	480 g ap	prox.				
	Display device	STN monoc	hrome LCD		TFT o	olor LCD					
	Resolution	320 (W) × 120 (H) dots		320 (W) × 24	10 (H) dots						
Disal	Display color	2 colors (black/white, 8-gray scale)	2 colors (blue/white)		4,09	ô colors					
Display	Displayable area	108.8 (W) × 40.8 (H) mm 4.28 (W) × 1.61 (H) in	113.2 (W) × 86.4 (H) mm 4.46 (W) × 3.40 (H) i	1	110.8 (W) × 83.6 (H) m	1m 4.36 (W) × 3.29 (H) in					
	Backlight	GT12M: 3-color LED (white, pink, red) GT12G: 3-color LED (green, orange, red)	Aver	C 77 °F),							
	Font types	Fixed (GTWIN) : 8 x 8, 16 x 8, and 16 x 16 dots Characters can be displayed in the 1, 2, 4, or 8 times width or height. True Type (GTWIN): 10 to 120 dots		GT32T: 50,000 hour Fixed (GTWIN) : 8 x 8, 16 ters can be displayed in the Type (GTWIN): 10 to 240 d	6 x 8, and 16 x 16 dots, 1, 2, 4, or 8 times width	n or height.					
	Languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, German, Italian, Spanish, French, and Turkish									
	Graphics	Straight lines, Continuous straight lines, Squares, Circles, Ovals, Arcs, Elliptic arcs, Fan shapes, Elliptic fan shapes, Beveled squares and Bitmaps									
	Number of screens *2	2-gray scale: 250 screens approx.,	240 screens approx.			ens approx.					
	Screen setting No.	8-gray scale: 200 screens approx.		0 to 3FF							
	Part functions	Messages, Lamps, Switches, Function switches, Data, Bar graphs, Clocks, Keyboards, Line graphs, Alarm list, and Custom parts (messages, lamps, switches)									
Functions	Other functions	- Recipe, Flow display, Write device, Multiple PLC connection, FP monitor, Language switching,									
	Clock function	Provic	led with a built-in clock. (Can also refer to and d	splay a PLC clock.) *Buy a c	commercially available	battery.					
	Contrast adjustment	Contrast can be adjusted	by using the touch panel.		Not ad	ljustable					
	Buzzer		In	stalled							
	Automatic communication settings	The co	mmunication speed (baud rate) is automatically	changed if there is no respo	nse from the target equ	uipment.					
	Through function	GT a	onnected between a PC and PLC allows the PL	to be debugged without a c	direct connection with the	he PC.					
	Screen creation										
Touch key	resolution		Free layo	it (8 dots min.)							
Touch key	operation force		0.8	N or less							
Touch key	life		1 million operations	or more (at 25 °C 77 °F)							
COM.	Communication standard External communication	Conforms to RS232C Conforms to RS422 / RS485	Conforms to RS232C Conforms to RS422 / RS485 Baud rate: 9,600 bps, 19,200 bps,			Conforms to RS232C	Conforms to RS422 / RS485				
port	conditions Protocol	Our FP series supported, General-purpo	Data bits: 7 or 8 bits, Parity: se serial interface supported, Other companies			Y TABLE" for manufacturers	and models.)				
	Connector		Connector ter	ninal block (8 pins)							
	Communication standard		U	SB1.1							
Screen data	Communication conditions with PC	_									
transfer interface	Protocol		Our dedi	cated protocol							
menace	Connector	USB Mini B		USB TYPE-B							
	Ethernet port *4		_			Yes (100BASE-TX,	10BASE-T) *7. *8				
User's	Memory		F	ROM			· · · · · · · · · · · · · · · · · · ·				
user's memory	Capacity	2 Mbyte	2 Mbyte		12 Mbvte (Ve	er.1.10 or later)					
Marcin	Memory	- ,	-	RAM	, (/					
Memory			Lithium battery (replaceable) AFP		h product						
backup	Backup battery										

Conformance to the UL / cUL standards

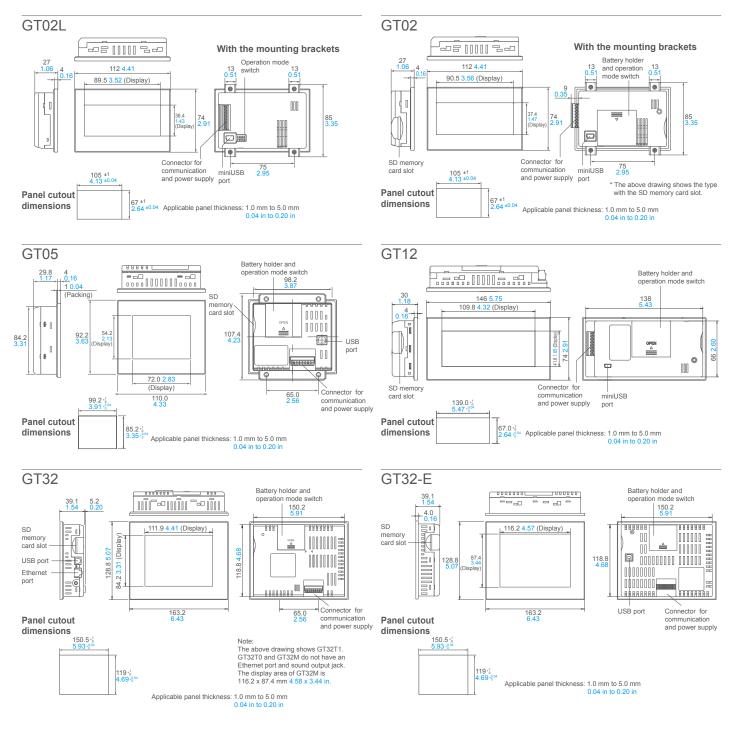
- *1 This protective structure condition applies to the front surface of the installed panel. This condition does not guarantee usage in all environments provided by users. When reattaching the panel, replace the waterproof packing.
 *2 The number of screens that can be registered varies according to the registered contents.
- *5 When the unit is being installed in a horizontal orientation, the usable range is 0 to +40 °C 32 to +104 °F.
 *6 WAV format (PCM & KHz sampling rate 16 bits monaural) Maximum
- *6 WAV format (PCM, 8 KHz sampling rate, 16 bits, monaural), Maximum sound data capacity: 512 KB (30 sec, approx.), Maximum registrable number of sound data items: 128
- *7 The unit caries out serial communication data processing at 115.2 kbits/s.
- *8 Communications with external equipment (PLC) are not available.
- *9 Not compatible with any 64-bit version of Windows®.

- UL / cUL file No.
 E96300

 UL standard No.
 UL508
- **3
 The data logging and SD recipe functions are available with only models equipped with an SD / SDHC memory card slot.
 *8

 *4
 Simultaneous USB and Ethernet communications are not possible.
 *9

GTseries DIMENSIONS Unit: mm in



Please contact

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